

Exception Handling

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CLASS STARTING SHARP AT 6:05 PM

What are exceptions in python?

4/0



Exception : ZeroDivisionError

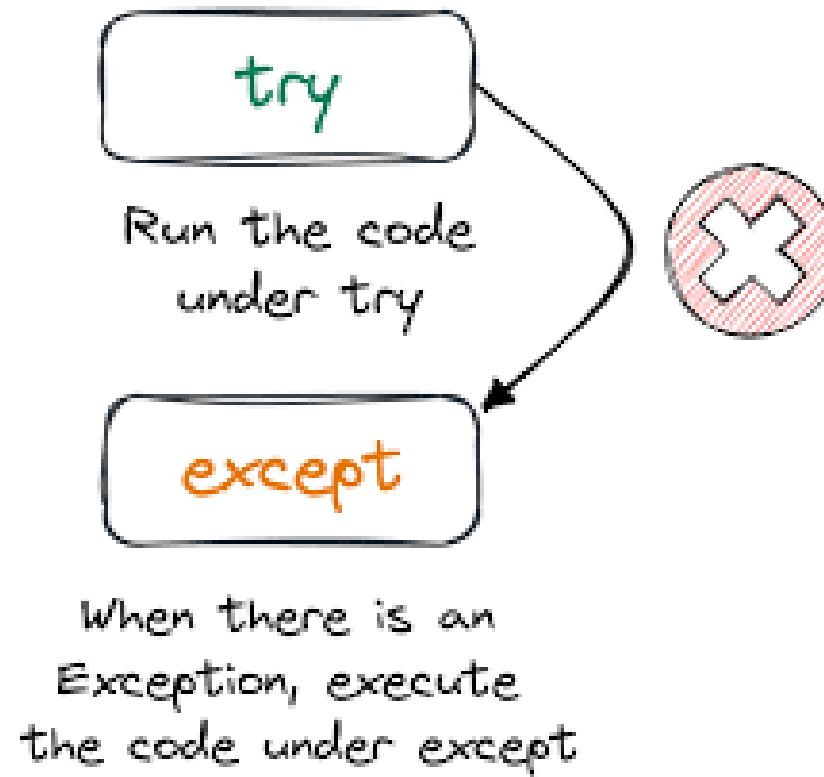
"Example"/2



Exception : Type Error

Any operations that don't make sense are going to give error in python

Try Except Block



Example of divide without exception handling

```
def divide_numbers():  
    num1 = float(input('Enter the Numerator :'))  
    num2 = float(input('Enter the Denominator:'))  
    result = num1/num2  
    print('Result:',result)
```

Example of Divide with exception handling

```
def divide_numbers():  
    try:  
        num1 = float(input("Enter the numerator: "))  
        num2 = float(input("Enter the denominator: "))  
        result = num1 / num2  
        print("Result:", result)  
    except ValueError:  
        print("Invalid input. Please enter numeric values.")  
    except ZeroDivisionError:  
        print("Error: Division by zero is not allowed.")
```

Try Exception : Input handling age

```
try:
    age = int(input("Enter your age: "))
    if age < 0 or age > 100:
        raise ValueError("Age must be between 0 and 100.")
    print("Valid age:", age)
except ValueError as e:
    print("Invalid input:", str(e))
```

Try Except Finally

```
def calculate_square_root(n):  
    try:  
        result = math.sqrt(n)  
        print("Square root:", result)  
    except Exception as e:  
        print("Exception Occured :",e)  
    finally:  
        print("Square Root Calculated")
```

Code in Finally Block
Always executed

Thank you

PING ME ON SKYPE FOR ANY QUERIES

ONCE PRACTICAL COMPLETED FOR YOU , YOU CAN LEAVE FOR THE DAY